*Agricultural and Forest Meteorology*, 60 (1992) 301–302
Elsevier Science Publishers B.V., Amsterdam



# Contents of Volume 60, 1992

## VOL. 60, NOS. 1–2 — 15 AUGUST 1992

*Research Papers*

Rice clock model — a computer model to simulate rice development
L. Gao, Z. Jin, Y. Huang and L. Zhang (Nanjing, People's Republic of China) . . . . . 1

Estimating forest evapotranspiration at a non-ideal site
Ch. Bernhofer (Vienna, Austria) . . . . . 17

A yield model for use in determining crop insurance premiums
K.C. Abbaspour, J.W. Hall and D.E. Moon (Vancouver, B.C., Canada) . . . . . 33

Above- and below-ground interactions in a leucaena/millet alley cropping system. I. Experimental design, instrumentation and diurnal trends
J.E. Corlett, C.R. Black (Loughborough, UK), C.K. Ong and J.L. Monteith (Andhra Pradesh, India) . . . . . 53

Above- and below-ground interactions in a leucaena/millet alley cropping system. II. Light interception and dry matter production
J.E. Corlett, C.R. Black (Loughborough, UK), C.K. Ong and J.L. Monteith (Andhra Pradesh, India) . . . . . 73

The effect of soil surface temperature on the growth of millet in relation to the effect of *Faidherbia albida* trees
R.J. Vandenbeldt and J.H. Williams (Niamey, Niger) . . . . . 93

Louisiana citrus frost protection with enclosures and microsprinklers
R.J. Edling (Baton Rouge, LA, USA), R.J. Constantin (Hammond, LA, USA) and W.J. Bourgeois (Port Sulphur, LA, USA) . . . . . 101

Modelling solar irradiance on sloping surfaces under leafless deciduous forests
J.D. Rowland (Sainte Anne de Bellevue, Que., Canada) and R.D. Moore (Burnaby, B.C., Canada) . . . . . 111

Pasture canopy temperature under cloudy humid conditions
C.M. Feldhake (Beckley, WV, USA) and W.M. Edwards (Coshocton, OH, USA) . . . . . 133

*Short Communication*

Above ground inventory of sour orange trees exposed to different atmospheric $CO_2$ concentrations for 3 full years
S.B. Idso and B.A. Kimball (Pheonix, AZ, USA) . . . . . 145

## VOL. 60, NOS. 3–4 — 31 AUGUST 1992

*Research Papers*

Response of rice to carbon dioxide and temperature
J.T. Baker, L.H. Allen, Jr. and K.J. Boote (Gainesville, FL, USA) . . . . . 153

Effect of climate on plant evaporation coefficients for the potato crop
W.H. van Zyl and J.M. de Jager (Bloemfontein, South Africa) . . . . . 167

Flower orientation influences ovary temperature during frost in peach
S. Lu, M. Rieger and M.J. Duemmel (Athens, GA, USA) . . . . . 181

Simulating winter wheat spike development and growth
G.S. McMaster, J.A. Morgan (Fort Collins, CO, USA) and W.W. Wilhelm (Lincoln, NE, USA) . . . 193
Energy budgets and resistances to energy transport in sparsely vegetated rangeland
W.D. Nichols (Carson City, NV, USA) . . . 221
Foliage area and architecture of plant canopies from sunfleck size distributions
J.M. Chen and T.A. Black (Vancouver, B.C., Canada) . . . 249
Daily patterns of dew-point temperature in a semiarid climate
D.R. Butler (Andhra Pradesh, India) . . . 267

*Short Communications*
United States drought trends of the past century
S.B. Idso (Phoenix, AZ, USA) and R.C. Balling, Jr. (Tempe, AZ, USA) . . . 279
Relation of surface climate and burned area in Yellowstone National Park
R.C. Balling, Jr. (Tempe, AZ, USA), G.A. Meyer (Albuquerque, NM, USA) and S.G. Wells (Riverside, CA, USA) . . . 285

*Book Reviews*
Agrometeorological Aspects of Operational Crop Protection . . . 295
Photon-Vegetation Interactions. Applications in Optical Remote Sensing and Plant Ecology . . 296
Air Pollution and Forests: Interactions Between Air Contaminants and Forest Ecosystems. . . 298